

page 22, line 20, after "color locus" delete ")"; and

line 26, change "10 mm" to --10  $\mu$ m--.

Page 38, line 7, change "particles 37" to --particles 6--.

B3  
In the Claims:

Claim 1 (twice amended). A light-radiating semiconductor component, comprising:

B4  
a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting electromagnetic radiation of a first wavelength range selected from a spectral region consisting of ultraviolet, blue, and green;

a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body;

a luminescence conversion element with at least one luminescent material, said luminescence conversion element converting a radiation originating in the first wavelength range into radiation of a second wavelength range different from the first wavelength range, such that the semiconductor

component emits polychromatic [radiation] visible light  
comprising radiation of the first wavelength range and  
radiation of the second wavelength range; and

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said luminescence conversion element being formed such that  
the radiation of the first wavelength range passes through  
said luminescence conversion element along a plurality of  
paths, the plurality of paths having a substantially equal  
path length inside said luminescence conversion element, and  
said luminescence conversion element emitting a substantial  
portion of the radiation of the first wavelength range and the  
radiation of the second wavelength range.

Please add new claim 34:

Sub  
34  
34. A white light emitting semiconductor component,  
comprising:

a semiconductor body emitting electromagnetic radiation during  
an operation of the semiconductor component, said  
semiconductor body having a semiconductor layer sequence  
suitable for emitting blue light;

a first electrical terminal and a second electrical terminal  
each electrically conductively connected to said semiconductor  
body; and